STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

EFS

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Application Serial Number: _10/553,729A_

Source: _Ifwp_

Date Processed by STIC: _3/8/07_

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
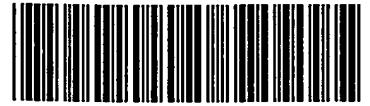   **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

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1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission User Manual - ePAVE)
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Revised 01/10/06

IFWO

RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:23

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

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 3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4        McSwiggen, James
 5        Chowira, Bharat
 6        Haeberli, Peter
 8 <120> TITLE OF INVENTION: Interference Mediated Inhibition of Severe Acute Respiratory
 9        Syndrome (SARS) Virus Gene Expression Using Short Interfering
10        Nucleic Acid (siNA)
12 <130> FILE REFERENCE: 03-344-J (400.110US)
14 <140> CURRENT APPLICATION NUMBER: 10/553,729A
15 <141> CURRENT FILING DATE: 2005-10-14
17 <160> NUMBER OF SEQ ID NOS: 3392
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 19
23 <212> TYPE: RNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
28        sense region
30 <400> SEQUENCE: 1
31 acccaggaaa agccaacca                                              19
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 19
36 <212> TYPE: RNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
41        sense region
43 <400> SEQUENCE: 2
44 aaccucgauc ucuuguaga                                              19
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 19
49 <212> TYPE: RNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
54        sense region
56 <400> SEQUENCE: 3
57 aucuguucuc uaaacgaac                                              19
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 19
62 <212> TYPE: RNA
63 <213> ORGANISM: Artificial Sequence
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C--> 15

see pp 6, 8

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/553,729A

DATE: 03/08/2007
TIME: 14:59:23

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

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 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 67       sense region
 69 <400> SEQUENCE: 4
 70 cuuuaaaauc uguguagcu                                              19
 73 <210> SEQ ID NO: 5
 74 <211> LENGTH: 19
 75 <212> TYPE: RNA
 76 <213> ORGANISM: Artificial Sequence
 78 <220> FEATURE:
 79 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 80       sense region
 82 <400> SEQUENCE: 5
 83 ugucgcucgg cugcaugcc                                              19
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 19
 88 <212> TYPE: RNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 93       sense region
 95 <400> SEQUENCE: 6
 96 cuagugcacc uacgcagua                                              19
 99 <210> SEQ ID NO: 7
100 <211> LENGTH: 19
101 <212> TYPE: RNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
106       sense region
108 <400> SEQUENCE: 7
109 auaaacaaua auaaauuuu                                              19
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 19
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
119       sense region
121 <400> SEQUENCE: 8
122 uacugucguu gacaagaaa                                              19
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 19
127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
132       sense region
134 <400> SEQUENCE: 9
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135 acgaguaacu cgucccucu                                          19
138 <210> SEQ ID NO: 10
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140 <212> TYPE: RNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
145       sense region
147 <400> SEQUENCE: 10
148 uucugcagac ugcuuacgg                                          19
151 <210> SEQ ID NO: 11
152 <211> LENGTH: 19
153 <212> TYPE: RNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
158       sense region
160 <400> SEQUENCE: 11
161 guuucguccg uguugcagu                                          19
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 19
166 <212> TYPE: RNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
171       sense region
173 <400> SEQUENCE: 12
174 ucgaucauca gcauaccua                                          19
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 19
179 <212> TYPE: RNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
184       sense region
186 <400> SEQUENCE: 13
187 agguuucguc cggguguga                                          19
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 19
192 <212> TYPE: RNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
197       sense region
199 <400> SEQUENCE: 14
200 accgaaaggu aagauggag                                          19
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 19
205 <212> TYPE: RNA
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                  RAW SEQUENCE LISTING                 DATE: 03/08/2007
                  PATENT APPLICATION:   US/10/553,729A    TIME: 14:59:23

                  Input Set : N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt
                  Output Set: N:\CRF4\03082007\J553729A.raw
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208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
210      sense region
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213 gagccuuguu cuugguguc                                      19
216 <210> SEQ ID NO: 16
217 <211> LENGTH: 19
218 <212> TYPE: RNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
223      sense region
225 <400> SEQUENCE: 16
226 caacgagaaa acacacguc                                      19
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 19
231 <212> TYPE: RNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
236      sense region
238 <400> SEQUENCE: 17
239 ccaacucagu uugccuguc                                      19
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 19
244 <212> TYPE: RNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
249      sense region
251 <400> SEQUENCE: 18
252 ccuucagguu agagacgug                                      19
255 <210> SEQ ID NO: 19
256 <211> LENGTH: 19
257 <212> TYPE: RNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
262      sense region
264 <400> SEQUENCE: 19
265 gcuagugcgu ggcuucggg                                      19
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 19
270 <212> TYPE: RNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
275      sense region
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281 <210> SEQ ID NO: 21
282 <211> LENGTH: 19
283 <212> TYPE: RNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
288        sense region
290 <400> SEQUENCE: 21
291 ccuaucggag gcacgugaa                                              19
294 <210> SEQ ID NO: 22
295 <211> LENGTH: 19
296 <212> TYPE: RNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
301        sense region
303 <400> SEQUENCE: 22
304 acaccucaaa aauggcacu                                              19
307 <210> SEQ ID NO: 23
308 <211> LENGTH: 19
309 <212> TYPE: RNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
314        sense region
316 <400> SEQUENCE: 23
317 uuguggucua guagagcug                                              19
320 <210> SEQ ID NO: 24
321 <211> LENGTH: 19
322 <212> TYPE: RNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
327        sense region
329 <400> SEQUENCE: 24
330 ggaaaaaggc guacugccc                                              19
333 <210> SEQ ID NO: 25
334 <211> LENGTH: 19
335 <212> TYPE: RNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
340        sense region
342 <400> SEQUENCE: 25
343 ccagcuugaa cagcccuau                                              19
346 <210> SEQ ID NO: 26
347 <211> LENGTH: 19
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/08/2007
PATENT APPLICATION: **US/10/553,729A**   TIME: 14:59:24

FYI

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:3375; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3376; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3377; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3378; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3379; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3380; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3381; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3382; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3383; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
```

VERIFICATION SUMMARY　　　　　　　DATE: 03/08/2007
PATENT APPLICATION:　　US/10/553,729A　　　TIME: 14:59:24

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

```
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:44810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3375 after pos.:0
L:44837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3376 after pos.:0
L:44865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3377 after pos.:0
L:44898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3378 after pos.:0
L:44931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3379 after pos.:0
L:44964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3380 after pos.:0
L:44998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3381 after pos.:0
L:45031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3382 after pos.:0
L:45066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3383 after pos.:0
```

<210> 3375
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: siNA sense region

<220>
<221> misc_feature
<222> (1)..(1)
<223> 5'-3 attached terminal deoxyabasic moiety

<220>
<221> misc_feature
<222> (21)..(21)
<223> 3'-3 attached terminal deoxyabasic moiety

<220>
<221> misc_feature
<222> (20)..(21)
<223> n stands for any nucleotide

<400> 3375

nnnnnnnnnn nnnnnnnnn n

these are not explained in the <220>-<223> section (handwritten)

21